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(71) Applicant (for all designated States except US): TOYOTA JIDOSHA KABUSHIKI KAISHA [JP/JP]; 1, Toyota-cho, Toyota-shi, Aichi, 4718571 (JP).

(72) Inventors; and

(75) Inventors/Applicants (for US only): KAWASAKI, Minoru [JP/JP]; c/o Toyota Jidosha Kabushiki Kaisha, 1, Toyota-cho, Toyota-shi, Aichi 4718571 (JP). OSHIMA, Tadashi [JP/JP]; c/o Kabushiki Kaisha Toyota Chuo Kenkyusho, 41-1, Aza Yokomichi, Oaza Nagakute, Nagakute-cho, Aichi-gun, Aichi 4801192 (JP). KOBAYASHI, Takao [JP/JP]; c/o Kabushiki Kaisha Toyota Chuo Kenkyusho, 41-1, Aza Yokomichi, Oaza Nagakute, Nagakute-cho, Aichi-gun, Aichi 4801192 (JP).

NAKANISHI, Kazuyuki [JP/JP]; c/o Kabushiki Kaisha Toyota Chuo Kenkyusho, 41-1, Aza Yokomichi, Oaza Nagakute, Nagakute-cho, Aichi-gun, Aichi 4801192 (JP). TACHIKAWA, Hideo [JP/JP]; c/o Kabushiki Kaisha Toyota Chuo Kenkyusho, 41-1, Aza Yokomichi, Oaza Nagakute, Nagakute-cho, Aichi-gun, Aichi 4801192 (JP).

(74) Agent: OHKAWA, Hiroshi; 2-5, Meieki 3-chome, Nakamura-ku, Nagoya-shi, Aichi 4500002 (JP).

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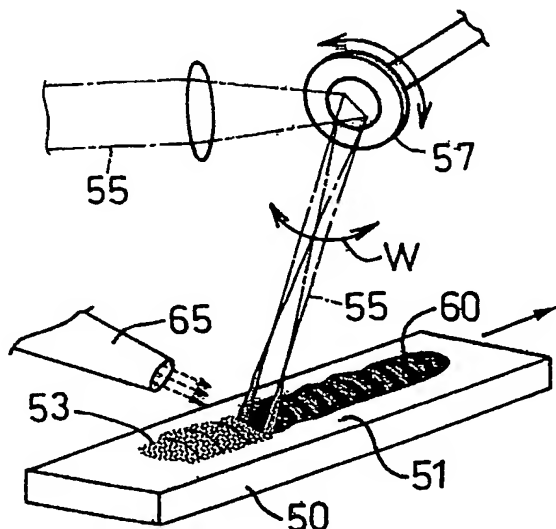
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(54) Title: WEAR-RESISTANT COPPER-BASED ALLOY



(57) Abstract: This aims to provide a wear-resistant copper-based alloy, which is advantages in not only enhancing wear resistance in a high temperature range but also enhancing crack resistance and machinability and which is especially suitable for forming a cladding layer. The wear-resistant copper-based alloy comprises, by weight, 4.7 to 22.0% nickel, 0.5 to 5.0% silicon, 2.7 to 22.0% iron, 1.0 to 15.0% chromium, 0.01 to 2.00% cobalt, 2.7 to 22.0% one or more of tantalum, titanium, zirconium and hafnium, and the balance of copper with inevitable impurities.

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